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(71)Applicant : TOHKEM PRODUCTS CORP

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(72)Inventor : OMORI KOTA
MIYAMOTO MASAYUKI
YATSUYANAGI HIROYUKI
UOTANI MASAKAZU

(54) FLAME-RETARDANT COMPOUND AND FLAME-RETARDANT COMPOSITION PRODUCED BY USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a flame-retardant compound imparting flame-retardance by the addition of a small amount of the compound and provide a flame-retardant composition resistant to the deterioration of molding fluidity, wet-heat resistance and an surface appearance.

SOLUTION: The flame-retardant compound is composed of an alkali metal or alkaline earth metal salt of a perfluorodisulfonic acid compound expressed by $\text{MSO}_3(\text{CF}_2)_n\text{SO}_3\text{M}$ (M is Li, Na, K, Rb, Cs, Mg, Ca, Sr or Br; and (n) is an integer of 1-12) or $[(\text{O}_2\text{SRFSO}_2)_m\text{M}^+]$ (Rf is a straight or branched-chain perfluoroalkyl which may be substituted with a 4-7C perfluorocycloalkyl group provided that the total carbon number of Rf is 2-12; M⁺ is Li, Na, K, Rb, Cs, Mg, Ca, Sr or Ba; and (m) is the valence of M⁺).

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